

Date: Thu, 20 Oct 94 04:30:10 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: List  
Subject: Info-Hams Digest V94 #1136  
To: Info-Hams

Info-Hams Digest                      Thu, 20 Oct 94                      Volume 94 : Issue 1136

Today's Topics:

ARRL to change "Silent Keys" label in QST?  
Code Programs/Sound Blasters  
Even a blind pig finds an acorn now and then  
HOW TO LEARN CW???  
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Is this legal?  
Logbook Program??  
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Q-Codes .. any hints to learn them ?  
schematic drawing software needed  
Touch Tone Paging (DTSS)  
What is "Trunk LAN Mò  
WTB: Radar gun... (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Wed, 19 Oct 94 22:37:11 -0500  
From: Ed Ellers <edellers@delphi.com>  
Subject: ARRL to change "Silent Keys" label in QST?

Michael P. Deignan <md@pstc3.pstc.brown.edu> writes:

>Clearly, we need some "Truth in Advertising". These hams can't be  
>silent "keys", because most of them were probably too lazy to touch  
>a key (or even know what a key is, for that matter...).

Exactly what is the cause of your incredible bitterness?

Your slurs are bad enough on r.r.a.policy; they're off-topic here.

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Ed Ellers, KD4AWQ

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Date: 20 Oct 94 08:51:04 GMT

From: t.wright@msuacad.morehead-st.EDU (Tim Wright KD40VM)

Subject: Code Programs/Sound Blasters

Anybody know of a Code Program that uses a sound blaster system?

If you do and it is available FTP E-mail me the address Please.

thanks

Tim Wright KD40VM

T.Wright@msuacad.morehead-st.edu

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Date: Wed, 19 Oct 1994 20:09:27 -0400

From: frederick.mckenzie-1@pp.ksc.nasa.gov (Fred McKenzie)

Subject: Even a blind pig finds an acorn now and then

In article <383enb\$gsg@masala.cc.uh.edu>, djenkins@jetson.uh.edu (David Jenkins) wrote:

> intending to take the 5 wpm test. The examiner lobbied me heavily to take  
> the 13 wpm, saying that it would make the 5 seem slow and easy. I took  
> the 13, and passed with 100% on the questions (not near that well on the  
> copy, but I got enough, I guess...) What a deal!

David-

A local Ham club here gives tests each month. They encourage you to keep taking progressively higher elements until you fail, since there is only one charge per test session. As a result, many people go further than they planned. (It has the side effect of giving the club a higher failure rate!) Taking the code test at the higher speed first, helps overcome nervousness, since you have no pressure to pass.

As far as getting people to slow down, the first step is for YOU to send slower! Even then, you may have a tendency to send faster than you can copy, so give yourself a safety margin.

I suggest you give the guy who ran out on you, the benefit of the doubt.

But, be aware there are all kinds of people out there, and don't let it bother you.

As you can guess, you get better with practice. Nothing beats on-the-air experience to build up code speed. A 130' dipole sounds like 80 meters, which may be a good band to get to know people nearby. I find 80 and 40 more friendly than the "Hello Goodbye DX" bands!

73, Fred, K4DII  
(Mobile CW? I have a key with a leg clamp.)

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Date: Thu, 20 Oct 94 01:17:00 -0500  
From: bob.stanton@exchange.com (Bob Stanton)  
Subject: HOW TO LEARN CW???

From: bob.stanton@exchange.com  
Subj: How to Learn CW???

I give up! I have been trying to learn the code since before I was licensed with no luck. I have tried tapes... all I do is memorize the tape... not the code. I sit in front on my computer pounding my head on the keyboard (figuratively). I HATE CW!!! I don't even recognize my own call in CW. I will use it ONLY to upgrade. I have no intention ever to participate in a CW QSO. I realize that there is no way, for the time being, to up grade without submitting to the dictates of those who say "I had to do it so you must". That will change in a few years, but I can't wait till then.

I realize that I do not have the proper attitude to learn code. I feel it is the same as when I was a kid growing up in the early 60's. I had to learn Latin so I could participate in the Mass. I took all summer of my school vacation after the fourth grade to learn all the proper phrases and what they meant. The next month the announcement came out that the Mass would be in English. I don't remember any Latin now.

What is the best way to do it? I want the HF privileges. I am willing to work for them. I just hit a wall every time I try to force myself to do something I hate. I know that some who read this will just flame me. I have faith that some will have good advice and will be willing to share it with me.

Thanks in advance.

Bob KD4ARD

\* QMPro 1.0 94-6871 \* Rebooting your brain can be tricky

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Date: Wed, 19 Oct 1994 23:35:03 GMT  
From: rwc@flare.syd.ips.oz.au (Regional Warning Centre)  
Subject: IPS Daily Report - 19 October 94

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT  
ISSUED AT 19/2330Z OCTOBER 1994 BY IPS RADIO AND SPACE SERVICES  
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.  
SUMMARY FOR 19 OCTOBER AND FORECAST FOR 20 OCTOBER - 22 OCTOBER  
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#### 1A. SOLAR SUMMARY

Activity: moderate

Flares	Max	Fadeout	Begin	End	Freq.	Sectors
M3/--	2127UT	none				

Observed 10.7 cm flux/Equivalent Sunspot Number : 91/36

GOES satellite data for 18 Oct

Daily Proton Fluence >1 MeV: 7.1E+05

Daily Proton Fluence >10 MeV: 9.4E+03

Daily Electron Fluence >2 MeV: 4.0E+07 (normal)

X-ray background: B1.7

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

#### 1B. SOLAR FORECAST

	20 Oct	21 Oct	22 Oct
Activity	Low	Low	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 20 Oct: 93/38

#### 2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices :	A	K	Observed A Index 18 Oct
Learmonth	10	2211 3333	
Fredericksburg	7		3
Planetary	5		4

Observed Kp for 18 Oct: 1101 1112

#### 2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
------	----	------------

20 Oct 10 Quiet to unsettled  
21 Oct 12 Quiet to unsettled  
22 Oct 10 Quiet to unsettled

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3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
19 Oct	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
20 Oct	normal	normal	normal
21 Oct	normal	normal	normal
22 Oct	normal	normal	normal

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4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
19 Oct	35	near predicted monthly values, with 15-30% enhanced during local night.

Predicted Monthly T-index for October: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
20 Oct	30	Near predicted monthly values to 20% enhanced.
21 Oct	25	Near predicted monthly values
22 Oct	20	Near predicted monthly values

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

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Date: 20 Oct 94 10:36:29 GMT  
From: slg@rfc.COMm.harris.COM (Steven L Goldstein)  
Subject: Is this legal?

I live in New York State and my brother-in-law is presently living in Colombia, South America. He's not a ham but has a short wave radio. Would it be legal for me to make a one-way transmission intended for him to

hear, or are amateur radio transmissions only legal if they're 2-way w/  
other hams?

KB2PWM

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Date: 20 Oct 1994 10:52:02 GMT  
From: kebsch@pdb.sni.de (Waldemar Kebsch)  
Subject: Logbook Program??

Hi,

I am looking for a good logbook program (shareware?). It should run with  
MS-Windows 3.x. If there is a super great MS-DOS version available ..., Ok!

(Sorry for my English :-)

It should have this features:

- + Operator profile

- + Logbook Data Entry

  - Callsign, Date, Time (from/to), Frequency (or Band), Mode, Report, Power,  
Name, QTH,

  - QSL exchange: Y/N

    - Yes: via Bureau

    - via Manager: Callsign

    - Direct: Callbook or Address (data entry),

  - QSL: sent/received

  - Notes: 'unlimited entry' would be fine

  - Default entries: Date (Time(s)?), Band, Mode, Power, QSL-ing.

  - Would be nice:

    - + last QSO at (-/date, band or freq.)

    - + good for dxcc, iota, ..

    - + powerfull interface to a callbook CD

    - + radioclub station logbook: operator is: Callsign (+ Name)

- + Logbook Data Management: Modify, Delete, QSL(-ing), etc. ...

Very important for me are configurable listings (screen, printer, to file)

  - + which data I wish to see (Callsign, date, frequency, QSL-ing, ...)

  - + show it at position ..

  - + in order of (Callsign, date, frequency, QSL-ing, ...)

  - + date window: from .. to

  - + prefix window: only that prefix, from .. to .., lists (from .. to ..)

- + frequency/band window: only that band, lists (ie.: 20,17,15)
- + QSL-ing windows: QSL-ing via bureau
  - QSL-ing via manager
  - QSL-ing direct
- + QSL window: sent/received
- + award window ("let me see DXCC or IOTA or ..")

=> => window combinations should be possible!

- + Data Backup Feature
- + Data Interface: listing to file :-)

Any recommendation? :-)

Have fun ..

Waldemar

--

Waldemar Kebsch (dk3vn), c/o Siemens Nixdorf Informationssysteme AG,  
33106 Paderborn, Federal Republic of Germany, E-Mail: kebsch.pad@sni.de

+

+

++++++ Es geschieht nichts Gutes, es sei denn, Du machst es! +++++++

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Date: Tue, 18 Oct 1994 16:31:11 GMT  
From: Thomas Pagel <Thomas.Pagel@unnet.wupper.DE>  
Subject: PGP-Signatur in PACKET RADIO

Hallo !

I just think about the possibilty of the PGP-Encryption-program  
in amateur radio:

A ham is only allowed to use "open speech". But signing a message  
with the program PGP might be ok.

It could reduce the possibility of pirates in amateur radio using  
others call sign to work in Packet Radio.

Any comments are welcome

73 Thomas Pagel

Internet: thomas.pagel@unnet.wupper.de  
PR: DL2ECK@DB0IZ.deu.eu

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Date: 19 Oct 1994 21:46:50 -0400  
From: thayes@hardees.rutgers.edu (Tim Hayes)  
Subject: PGP-Signatur in PACKET RADIO

Thomas Pagel <Thomas.Pagel@unnet.wupper.DE> writes:

>I just think about the possibilty of the PGP-Encryption-program  
>in amateur radio:

>A ham is only allowed to use "open speech". But signing a message  
>with the program PGP might be ok.

>It could reduce the possibility of pirates in amateur radio using  
>others call sign to work in Packet Radio.

In the USA a strict reading of the amateur regulations would prohibit the use of PGP for signatures because the signature is actually an encrypted MD5 digest of the message; you can't use encryption for hiding any information. I doubt the FCC would ever bring any action against an amateur using PGP signatures though.

For one- the MD5 digest can be computed from the original message so it would be difficult to consider it as being "hidden". Also, since the signature is use for authentication purposes it may be legal anyway under a less strict interpritation of the rules.

Using IDEA to encrypt your message would be illegal though so don't try and send PGP encrypted messages around the USA! (Exceptions to this would be telecommand of space stations and RC vehicles which are specifically exempt from this prohibition of the use of codes and ciphers...)

An intersting idea that I've been thinking about working on is a secure login facility for remote packet systems. If the remote system issues a challange string it could be signed (or even encrypted) using PGP by the connecting station. This would make a very secure login method that would be near impossible to break or spoof if the challange strings were carefully selected and used only once. Unfortunately I don't have the time. Maybe someone else will write it...

--

Tim Hayes <thayes@noc.Rutgers.EDU> Rutgers University Computing Services  
PGP KEY FINGERPRINT: 05 A2 83 DE 81 A0 AF 1D 74 02 BE 99 FB 8E AF 4C

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Date: Wed, 19 Oct 1994 20:36:31 GMT  
From: brunob@hpcc01.corp.hp.com (Bruno Bienenfeld)  
Subject: Q-Codes .. any hints to learn them ?



Only by using them, otherwise by association like :

QTH - Home  
QSL - Letter  
QRS - Slow  
QRQ - Quick  
QRP - Power  
etc

from the log of AA6AD

-----  
Date: Wed, 19 Oct 1994 21:31:51 GMT  
From: hawk@zinger.sps.mot.com (George Hawkins)  
Subject: schematic drawing software needed

Hello everybody! Does anyone know where I can obtain  
a schematic drawing package? net lists aren't needed  
just a nice looking schematic...

any hints or BBS locations???  
thanks in advance...  
regards,  
George

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George Hawkins KI5X                      Internet: hawk@hawk.sps.mot.com  
Motorola Digital Signal Processors      UUCP: cs.utexas.edu!oakhill!hawk!hawk  
Semiconductor Products Sector          Motorola Internal Email - R12137@email  
6501 William Cannon Drive West          Phone (512) 891-4543  
Austin Texas 78735-8598                  FAX    (512) 891-2947  
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Date: Wed, 19 Oct 1994 22:47:35 GMT  
From: feher@netcom.com (John O. Feher)  
Subject: Touch Tone Paging (DTSS)

Hello Everyone!

's wonderin' whether touch tone paging should/shouldn't work via a repeater.  
When I try it simplex, I page the other HT and it opens up its squelch,  
no problem whatsoever. Same thing doesn't work when going through a  
repeater. Would it not work cause the repeater shifts the touch tone  
frequencies and they are therefore not recognized by the receiver  
expecting the codes. I did indeed wait till the repeater kicked in to  
release the three codes, even done it manually ... without success.

Whatsgoinon?!

Thanx for readin'!

John

-----  
Date: Wed, 19 Oct 94 20:41:00 +0000  
From: martin.briscoe@almac.co.uk (MARTIN BRISCOE)  
Subject: What is "Trunk LAN Mò

References: <381ksc\$t8v@bingnet1.cc.binghamton.edu>

PP> i would say trunked land mobile radio as another post had said.

PP> it's basically a combination of PL and repeater systems. i don't have  
PP> all the details behind it but i installed a few of these systems this  
PP> summer. If you have access lookup for GE/Erricson TMX/MDX radios  
PP> they use G-Marc and EDACS systems. Very nice on 800 Mhz.

How similar are the US trucked systems to the European systems - based I  
think on the UK spec MPT1347. I am involved with a Nokia Actionet system  
which is used quite a bit in the UK and various other parts of the world.  
Just wonder how much it differs from the US systems.

-----  
Martin Briscoe	Internet: martin.briscoe@almac.co.uk
	Packet: GM8A0B@GB7A0B.#76.GBR.EU
FORT WILLIAM	
Inverness-shire	
PH33 6UG	PGP 2.3 Key on request
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---  
\* RM 1.3 00964 \* Martin Briscoe - Fort William - Inverness-shire - Scotland

-----  
Date: Thu, 20 Oct 1994 01:58:22 GMT  
From: jnormandin@umassd.edu (JERRY NORMANDIN)  
Subject: WTB: Radar gun...

In article <CxrxDK.8Bq@news.Hawaii.Edu>, jeffrey@kahuna.tmc.edu (Jeffrey Herman)

writes:

>billn@hpcvaac.cv.hp.com (bill nelson) writes:

>

>>orion1@iastate.edu (Alex Orion Leu) writes:

>

>>: 3. Laser was invented for the patrol because of two reasons. First, it is  
>>: tougher to detect because it diffuses very fast and doesn't carry the  
>>: signature that sets many K or X radar detectors off. Second, it gives a  
>>: much stronger signal as compared to K or X. With old radar it is very tough  
>>: to get small vehicles on radar, unless they go very fast.

>

>>This whole paragraph is silly.

>

>What's even more silly is the fact that you're cross posting this to

>rec.radio.swap. Stop it!

>

>

READ The LASER DOPPLER TECHNIQUE by Dr. DRAIN and open your eyes!

-----

Date: Thu, 20 Oct 1994 01:54:47 GMT

From: jnormandin@umassd.edu (JERRY NORMANDIN)

Subject: WTB: Radar gun...

In article <19940ct16.070748.22220@hpcvaac.cv.hp.com>, billn@hpcvaac.cv.hp.com  
(bill nelson) writes:

>jnormandin@umassd.edu (JERRY NORMANDIN) writes:

>: >I'll brush off the fact that there is no such thing as "Laser RADAR",  
>: >and comment that LIDAR accounts for only a small percentage of the  
>: >tax-collector's arsenal. It's cumbersome, expensive, may pose health  
>: >threats of its own (ie, shining coherent infrared laser light into the  
>: >eyes of millions of motorists year after year could be dangerous as  
>: >well - although not to Officer Friendly).

>

>: Doesen't the unit have to transmit a burst of light, pick it up on a  
>: photodetector, and calculate the time it took? And then try again calculate the  
>: difference.

>

>That is exactly how it works. However, the distance measuring is so precise,  
>that the two measurements can be made within fractions of a second of each  
>other.

>

>Bill

Well here it is, the publisher for the Laser Doppler Technique is:

John Wiley & Sons

Offices in New York , Brisbane, & Toronto

(c) 1980 John Wiley & Sons Ltd.  
it sells for \$59.95 hard copy  
It is written by L.E. Drain  
he works at the Atomic Energy Research Establishment in Harwell

FYI

Chapter 1 Contents:  
The Doppler Shift  
Optical Beating  
The Differential Doppler Technique

Chapter 2  
Geometrical Optics  
Wave Optics  
Interference  
The Michelson Interferometer  
Interference between two reflected beams  
The Fabry - Perot Interferometer  
Diffraction  
Diffraction at Focus  
Gaussian Beam Optics  
Light Detectors for LDA  
Photomultipliers (Duh)  
Derivation of the Doppler Shift  
Relativistic Doppler Shift  
Alternative Derivation of the Doppler Shift on Scattering  
Doppler Shifting by Diffraction Gratings  
Brownian Movement and the Doppler Shift

If you had college calculus you can understand the theory. It's not a nontechnical book. With the information provided you can make your own device (NO SCHEMATICS BUT ENOUGH THEORY SO IT WILL NOT BE A PROBLEM)  
And do some math, what is the best frequency of light for this device... use common sense. Infra Red causes Jitter so... please  
Mr. that tells me no such thing as Laser Doppler Radar that NASA already tested and the Air Force  
Air Force already has... tell me... what's the frequency Kenneth

MAN, I'm not just a hobbyist, It's how I earn a living. Check out the book it tells something about it

YOU WILL BE FASCINATED AND LEARN SOMETHING AT THE SAME TIME.

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Date: Wed, 19 Oct 1994 22:42:03 GMT  
From: clay@panix.com (Clay Irving)

Subject: Re: ARRL to change "Silent Keys" label in QST?

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> Well, if they change the name of the column, why not "Pickled Hams"
>for title? That assumes, of course, that everyone is embalmed.....
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Clay Irving-(N2VKG)  
 clay@panix.com  
 New York, New York

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